

106.4 - Environmental Matrices with Carbon Values

These materials are intended for use in evaluating analytical methods used to measure carbon; SRM 1216 is intended for the calibration of instruments, used to measure total carbon. Also see:

[Table 104.4 Microchemistry \(powder form\)](#)

[Table 104.10 Light Stable Isotopic Materials \(gas, liquid and solid forms\)](#)

[Table 107.1 Primary Gas Mixtures](#)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit of Issue	Carbon (mass fraction, in %)
1216	Carbon Modified Silica	3 x 1g	3 Levels: 0.70, 9.06, 17.04
1632d	Trace Elements in Coal, (Bituminous)	50 g	<i>76.88</i>
1944	New York/New Jersey Waterway Sediment	50 g	<i>4.41(TOC)</i>
2718	Green Petroleum Coke	50 g	<i>88.99</i>
2719	Calcined Petroleum Coke	50 g	<i>97.06</i>
2775	Foundry Coke	50 g	<i>91.34</i>
2776	Furnace Coke	50 g	<i>89.15</i>
8704	Buffalo River Sediment	50 g	<i>3.351</i>
8785	Air Particulate Matter on Filter Media	3 filters	<i>22.3</i>
8786	Filter Blank for RM 8785	filter	<i>3.3 g/cm²</i>

Certified values are normal font.

Reference values are italicized.

Values in parentheses are for information only.